

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P#

Luminaire Tested: **LD4C45D010 EX4C459035 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C45D010 EX4C459035 4LBSQH
Description: 4 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

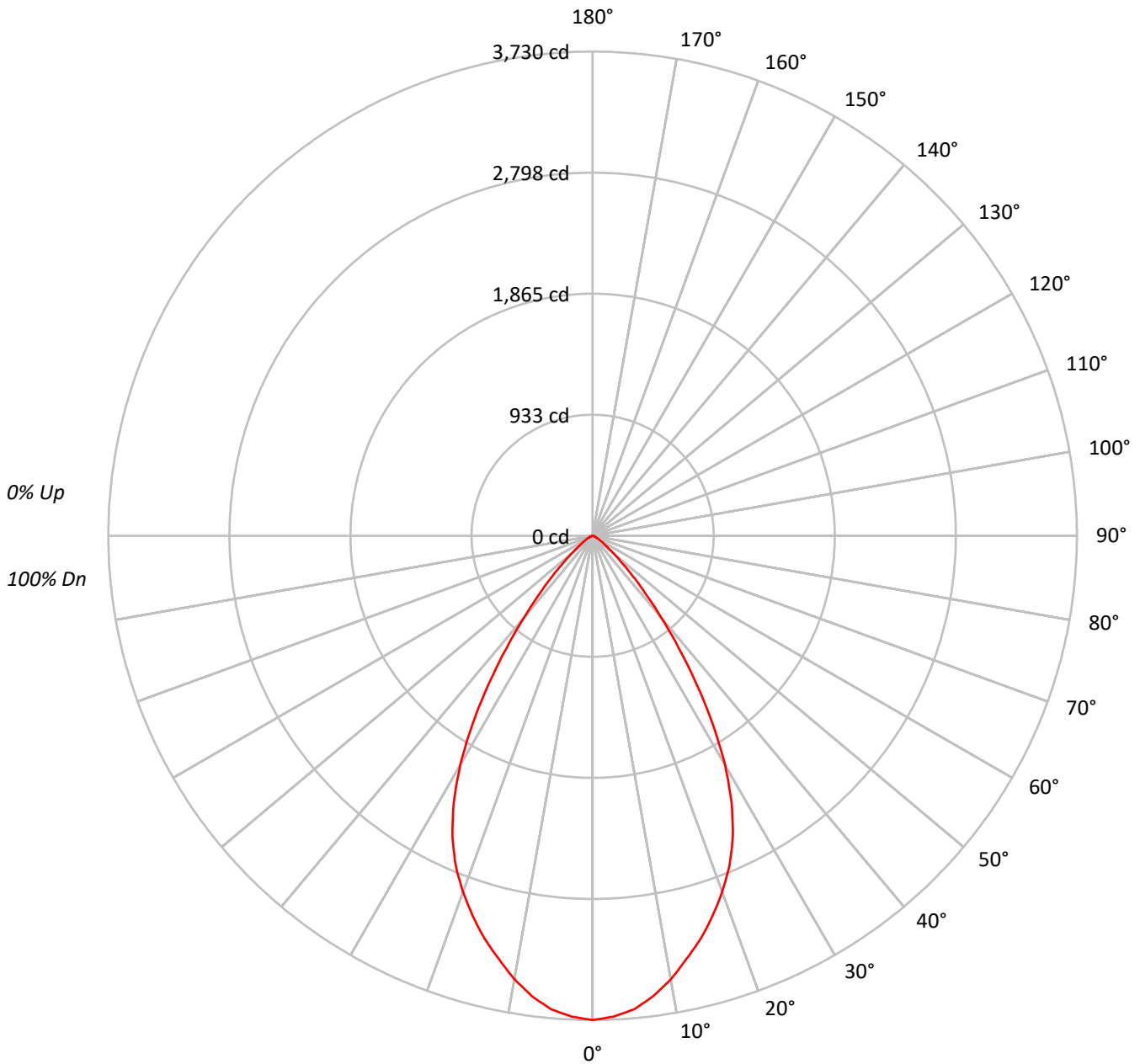
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3762.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10		0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79			
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73			
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67			
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62			
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58			
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54			
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50			
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	359933
5°	354702
10°	339884
15°	321015
20°	299655
25°	272015
30°	227110
35°	164531
40°	102995
45°	58867
50°	30698
55°	17192
60°	10961
65°	6484
70°	4796
75°	2125
80°	3167
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.2	9.1
10°-20°	900.5	23.9
20°-30°	1157.3	30.8
30°-40°	870.7	23.1
40°-50°	349.7	9.3
50°-60°	99.4	2.6
60°-70°	31.5	0.8
70°-80°	9.0	0.2
80°-90°	0.8	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2401.0	63.8
0°-40°	3271.7	87.0
0°-60°	3720.8	98.9
0°-90°	3762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3762.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3730	
5°	3662	343
15°	3214	900
25°	2555	1157
35°	1397	871
45°	431	350
55°	102	99
65°	28	31
75°	6	9
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3730.3
2.5°	3707.5
5°	3662.1
7.5°	3576.9
10°	3469.0
12.5°	3338.6
15°	3213.6
17.5°	3071.6
20°	2918.3
22.5°	2753.8
25°	2555.0
27.5°	2316.4
30°	2038.4
32.5°	1726.0
35°	1396.8
37.5°	1090.1
40°	817.7
42.5°	601.8
45°	431.4
47.5°	295.4
50°	204.5
52.5°	142.0
55°	102.2
57.5°	73.8
60°	56.8
62.5°	39.8
65°	28.4
67.5°	22.7
70°	17.0
72.5°	11.4
75°	5.7
77.5°	5.7
80°	5.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)